

**The Clorox Company**1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000**Material Safety  
Data Sheet**

<b>I Product:</b>		FORMULA 409® GLASS & SURFACE CLEANER
<b>Description:</b>		CLEAR, COLORED, FRAGRANCED LIQUID
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
Fresh Scent (Blue) Citrus Scent (Purple)	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients									
<p>Eye contact may result in temporary conjunctival redness. Overexposure to this product may cause the Worker Exposure Limit of 2-butoxyethanol to be exceeded. 2-Butoxyethanol has been shown to cause red blood cell hemolysis in laboratory animals and secondary injury to the kidney and liver. However, humans appear to be resistant to this effect.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Flush eyes with plenty of water for 15 minutes. If irritation persists, call a physician.</p> <p><b>SKIN CONTACT:</b> Wash skin with water.</p> <p><b>INGESTION:</b> Drink a glassful of water. Call a physician.</p> <p><b>INHALATION:</b> Remove to fresh air. If breathing problems develop, call a physician.</p>	<table><tr><th>Ingredient</th><th>Concentration</th><th>Worker Exposure Limit</th></tr><tr><td>Isopropyl alcohol CAS # 67-63-0</td><td>2 - 7%</td><td>400 ppm - TLV-TWA<sup>a</sup> 400 ppm - PEL<sup>b</sup> 500 ppm - TLV-STEL<sup>c</sup></td></tr><tr><td>2-Butoxyethanol CAS # 111-76-2</td><td>1 - 5%</td><td>25 ppm - skin TLV-TWA<sup>a</sup> 50 ppm - skin PEL<sup>b</sup></td></tr></table> <p>Note that 2-butoxyethanol can be absorbed through the skin. This may contribute to overall exposure.</p> <p><sup>a</sup>TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average <sup>b</sup>PEL = OSHA Permissible Exposure Limit - Time Weighted Average <sup>c</sup>TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit</p> <p>None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Isopropyl alcohol CAS # 67-63-0	2 - 7%	400 ppm - TLV-TWA <sup>a</sup> 400 ppm - PEL <sup>b</sup> 500 ppm - TLV-STEL <sup>c</sup>	2-Butoxyethanol CAS # 111-76-2	1 - 5%	25 ppm - skin TLV-TWA <sup>a</sup> 50 ppm - skin PEL <sup>b</sup>
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IV Special Protection and Precautions	V Transportation and Regulatory Data
<b>Hygienic Practices:</b> Wash hands after direct contact.  <b>Engineering Controls:</b> Use local exhaust to minimize exposure to product mist.  <b>Personal Protective Equipment:</b> Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.  Note: Do not use on film-tinted windows. On painted surfaces and wall coverings, test a small inconspicuous area before use.	<b>DOT:</b> Not restricted per 49 CFR 173.120(a)(3) and Appendix H. <b>IMO:</b> Not restricted per IMDG Code Page 0016 Paragraph 5.1.3.1.1. <b>IATA:</b> Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5. <b>TSCA Status:</b> All components of this product are on the TSCA inventory. <b>EPA - SARA Title III/CERCLA:</b> Packaged product is not reportable under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and contains glycol ethers (<5%), ammonium hydroxide (CAS #1336-21-6, <1%), and ammonium carbamate (CAS #1111-78-0, <1%) which are regulated under Section 304/CERCLA.

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<b>Spill Procedures:</b> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.  <b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.	Stable under normal use and storage conditions.

VIII Fire and Explosion Data	IX Physical Data
<b>Flash Point:</b> ~122°F (Tag closed cup) <b>Fire Extinguishing Agents:</b> Dry chemical, carbon dioxide (CO <sub>2</sub> ), foam or water spray.	pH ..... ~9.5 Specific gravity ..... ~1.0 Solubility in water ..... Soluble